| Ref<br># | Hits    | Search Query                   | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|---------|--------------------------------|--|---------------------|---------|------------------|
| L1       | 1       | "20050036569" and time-vary\$3 | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/11/09 12:35 |
| L4       | 124     | despreader and time-vary\$3    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR<br>·             | OFF     | 2006/11/09 12:42 |
| L5       | 1       | despreader with time-vary\$3   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF .   | 2006/11/09 12:37 |
| L6       | 0       | despreader near time-vary\$3   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/11/09 12:37 |
| L7       | 2041518 | despreader near\$ time-vary\$3 | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/11/09 12:37 |
| L8       | 6       | despreader same time-vary\$3   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/11/09 12:38 |
| L9       | 537     | PN and time-vary\$3            | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/11/09 12:42 |
| L10      | 1096    | CDMA and time-vary\$3          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/11/09 12:42 |

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| L11 | 51                                    | CDMA with time-vary\$3  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 12:48 |
| L12 | 0                                     | "20030202568" and delay                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 13:00 |
| L13 | 1335                                  | despreader and delay  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 12:50 |
| L14 | 4                                     | despreader and (delay adj<br>track\$3)                        | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 12:51 |
| L15 | 1                                     | despreader with (delay adj<br>track\$3)                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 12:51 |
| L16 | 0                                     | "20030202568" and equalization                                | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2006/11/09 13:00 |
| L17 | 1                                     | "20050036569" and equalization                                | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 13:07 |
| L18 | 14                                    | (successive adj interference adj1 cancel\$5) and equalization | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/09 13:07 |

| L19 | 21    | (successive adj interference adj1 cancel\$5) and equaliz\$5                           | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | OFF | 2006/11/09 13:11 |
|-----|-------|---|--|---------|-----|------------------|
| L20 | 0     | (successive adj interference adj1 cancel\$5) and (equaliz\$5 or DFE) and perturbation | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .    | OFF | 2006/11/09 13:14 |
| L21 | 21898 | perturbation  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | OFF | 2006/11/09 13:36 |
| L22 | 21    | (successive adj interference adj1 cancel\$5) and (equaliz\$5 or DFE)                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | OFF | 2006/11/09 13:18 |
| L23 | 204   | perturbation and (pulse adj1<br>shaping)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .    | OFF | 2006/11/09 13:36 |
| L24 | 5     | perturbation with (pulse adj1 shaping)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | OFF | 2006/11/09 13:36 |
| S1  | 38303 | pulse adj1 shap\$3  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR<br>· | OFF | 2006/10/31 10:03 |
| S2  | 1312  | (pulse adj1 shap\$3) with receiver  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | OFF | 2006/11/09 09:06 |

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| S3  | 266   | (pulse adj1 shap\$3) with receiver and track\$3        | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 10:12 |
| S4  | 173   | (pulse adj1 shap\$3) with CDMA                         | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 12:35 |
| S5  | 304   | non-channel  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 12:35 |
| S6  | 1     | non-channel adj1 function                              | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 13:17 |
| S7  | 21806 | perturbation   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 13:17 |
| S8  | 552   | perturbation and equalization                          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2006/10/31 13:17 |
| S9  | 116   | perturbation and equalization and (pulse adj1 shap\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 13:18 |
| S10 | 116   | perturbation and equalization and (pulse adj1 shap\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 13:18 |

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| S11 | 108     | rake with feedback                                    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 17:39 |
| S12 | 19      | rake with feedback and (pulse adj1 shap\$3)           | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 17:42 |
| S13 | 243     | rake and feedback and (pulse adj1 shap\$3)            | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 17:42 |
| S14 | 2948415 | rake and feedback and (pulse adj1 shap\$3) and r(t)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/10/31 17:42 |
| S15 | 218     | rake and feedback and (pulse adj1 shap\$3) and (r(t)) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/01 09:56 |
| S16 | 3364    | (inner and outer) adj1 loop                           | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/01 09:57 |
| S17 | 3       | ((inner and outer) adj1 loop) with rake               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/01 10:00 |
| S18 | 1083    | track\$3 with rake                                    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR · | OFF | 2006/11/01 10:00 |

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| S19 | 3   | track\$3 with rake with feedback                    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/09 12:21 |
| S20 |     | rake with feedback                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .        | OFF | 2006/11/01 10:19 |
| S21 | 1   | rake with feedback with (subtract\$3 or separat\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/01 10:12 |
| S22 | 0   | rake with feedback and perturbation                 | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/01 10:12 |
| S23 |     | rake and perturbation                               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/01 10:12 |
| S24 | 0   | rake and perturbation and equaliza\$3               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/01 10:13 |
| S25 | 9   | rake and perturbation and equaliza\$4               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/01 10:13 |
| S26 | 108 | rake with (feedback or loopback)                    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | OFF | 2006/11/01 10:20 |

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| S27 | 12  | rake with (feedback or loopback)<br>and (pulse adj1 shaping)                     | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/01 10:23 |
| S28 | 108 | rake with feedback   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 10:06 |
| S29 | 97  | MUD with feedback  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 10:06 |
| S30 | 4   | MUD with feedback and (pulse adj1 shap\$3)                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 10:09 |
| S31 | 50  | MUD and feedback and (pulse adj1 shap\$3)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 11:09 |
| S32 | 21  | SUD and feedback and (pulse adj1 shap\$3)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 12:15 |
| S33 | 34  | (SUD or (single adj1 user adj1 detect\$3))and feedback and (pulse adj1 shap\$3)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 12:15 |
| S34 | 34  | (SUD or (single adj1 user adj1 detect\$3)) and feedback and (pulse adj1 shap\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/03 12:15 |

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| S35 | 0   | higer adj equalization  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR. | OFF          | 2006/11/06 13:26 |
| S36 | 30  | higher adj equalization   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 13:27 |
| S37 | 6   | higher adj order adj1 equalization                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 14:42 |
| S38 | 932 | decision adj1 feedback adj1<br>equalization                         | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 14:43 |
| S39 | 130 | (decision adj1 feedback adj1 equalization) and (pulse adj1 shap\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 16:08 |
| S40 | 1   | "20030072288" and index adj1 value                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 16:12 |
| S41 | 1   | "20030072358" and index adj1 value                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 17:16 |
| S42 | 2   | "20040081253"   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF          | 2006/11/06 17:16 |

| S43 | 1916  | (channel adj1 estimat\$3) and rake   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:02 |
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| S44 | 618   | (channel adj1 estimat\$3)with rake   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:03 |
| S46 | 621   | (channel adj1 estimat\$4)with rake   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:03 |
| S47 | 8     | (channel adj1 estimat\$4) with rake with feedback                                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:05 |
| S48 | 177   | (channel adj1 estimat\$4) with rake and feedback                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:11 |
| S49 | 78    | (channel adj1 estimat\$4) with rake and feedback and track\$3                          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:25 |
| S50 | 23    | (channel adj1 estimat\$4) with rake and feedback and track\$3 and (pulse adj1 shap\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 13:26 |
| S51 | 84138 | ((successive adj interference adj cnacellation) or (SIC))                              | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/09 09:07 |

| S52 | 226 | ((successive adj interference adj cnacellation) or (SIC)) and (pulse adj shap\$3) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO; | OR | OFF | 2006/11/09 09:08 |
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|     |     |   | DERWENT;<br>IBM_TDB                       |    |     |                  |